

A line drawing of the RT-1261B Ear Thermometer. It is a handheld device with a long, thin body. At the top is a conical ear tip. Below it is a circular sensor area. The middle section has a rectangular display screen. Below the screen are four horizontal lines and a downward-pointing triangle, likely representing a speaker or indicator. At the bottom is a large rectangular button.

RT-1261B Ear Thermometer

Owner's Manual

IMPORTANT SAFETY INSTRUCTIONS

READ THIS BEFORE USING

The following basic safety precautions should always be taken.

1. Close supervision is necessary when the thermometer is used by, on, or near children, handicapped persons or invalids.
2. Use the thermometer only for the intended use described in this manual.
3. Do not use the thermometer if it is not working properly, or if it has suffered any damage.
4. Do not use accessories which are not supplied or recommended by the manufacturer.

KEEP THESE INSTRUCTIONS

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Cautions and Warnings

- ▲ As with any thermometer, proper technique is crucial to getting accurate temperature readings. ***Please read this manual thoroughly and carefully before using.***
- ▲ Always store the thermometer in a cool and dry place: temperatures between -20 °C to 60 °C relative humidity less than 95%. ***Avoid direct sunlight.***
- ▲ ***Avoid dropping*** the thermometer from a height or strongly hitting it with a hard object.
- ▲ Only use the lens filter for infrared nu-beca RT-1261 ear thermometer.
- ▲ For proper hygiene, do not share lens filter. Damaged lens filter may result in error display.
- ▲ Do not disassemble the thermometer.
- ▲ Basic safety precautions should always be observed, especially when the thermometer is used on or near children and disabled persons.
- ▲ This thermometer is not intended to be a substitution for consultation with your physician.
- ▲ Keep lens filters out of reach of children.
- ▲ Temperature of left and right ear may differ. Always measure using same ear.

Restrictions of Use

This thermometer is clinically proven to produce accurate temperature measurements. However, please be advised if you have the following situations:

- ▲ The accuracy cannot be ensured for a person who has deformity in the ear such that the thermometer probe can not be properly inserted into the ear canal.
- ▲ The accuracy cannot be ensured when blood or drainage is found in the ear canal.
- ▲ Take temperature from the other ear if ear drops or medications have been placed in an ear.
- ▲ For a person who wears ear plug or hearing aid, remove the device and wait for 15 minutes before taking temperature.

NOTE

Never try to clean inside the ears. You may accidentally damage the eardrum or its surrounding tissues. Remove excess earwax only when you can reach it with a clean cloth. Consult a physician if you suspect the presence of excess earwax.

Introduction

Thank you for choosing nu-becca RT-1261 ear thermometer. This innovative medical device relies on on advanced infrared (IR) technology to measure temperature instantly nu-becca RT-1261 ear thermometer is an elegantly designed infrared thermometer meant for your family.

Intended use

nu-becca RT-1261 ear thermometer is intended for the intermittent measurement and monitoring of human body temperature from ear canal. The device is intended for use by people of all ages in the home.

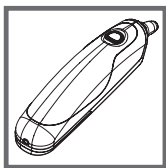
How does it work

The thermometer measures the infrared heat generated by the eardrum and its surrounding tissue. The thermometer then converts it into a temperature value shown on LCD.

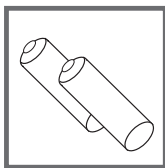
NOTE

The thermometer does not emit any infrared signal.

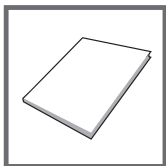
Package Contents



nu-beca RT-1261
Ear Thermometer



Two 1.5V AAA
Batteries



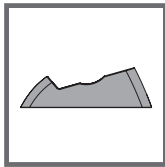
User's Manual



Lens Filter



Warranty Card

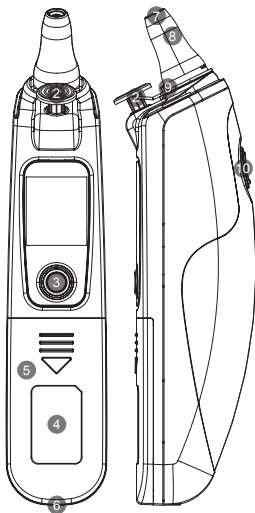


Storage Case

Thermometer Parts

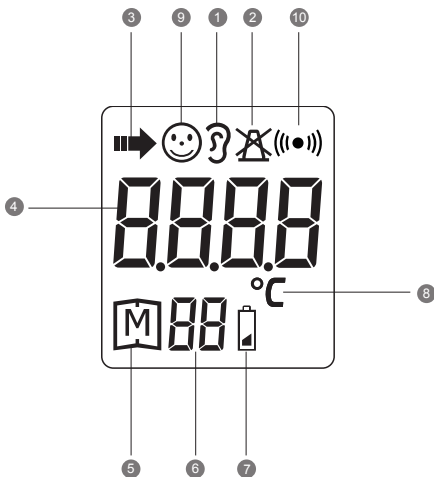


- 1 Lens filter
- 2 Lens filter ejection button



- 3 On/Memory button
- 4 Sticker
- 5 Battery cover
- 6 Data port
- 7 Probe lens
- 8 Probe
- 9 Lens filter detector
- 10 Scan button

LCD Screen



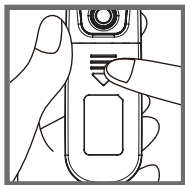
- ① Ear temperature indicator
- ② Non-lens filter warning
- ③ Temperature scanning in progress
- ④ Temperature display
- ⑤ Memory mode
- ⑥ Record numbers
- ⑦ Low battery indicator
- ⑧ Temperature unit
- ⑨ Temperature indicator for memory mode
- ⑩ Communication symbol

Replacing the Battery

The thermometer comes with two 1.5V AAA alkaline batteries. Replace it when “” appears. Please follow the steps to replace new batteries.

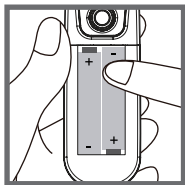
Step 1

Remove the battery cover.



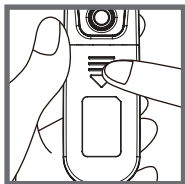
Step 2

Place the new battery in the battery compartment and press it in until the battery is firmly secured.



Step 3

Reattach the battery cover.



NOTE

- ▲ Although the thermometer works when “” appears, we still recommend that you change the battery to obtain an accurate result.
- ▲ Remove the battery if stored for a long period of time.
- ▲ The battery should be kept out of reach of children. If they are swallowed, promptly see a doctor for help.

About Normal Body Temperature & Fever

Body temperature can vary from one individual/person to next. It also varies by location on the body and different time of the day. Below shows the statistical normal ranges from different sites. Please keep in mind that temperatures measured from different sites, even at the same time, should not be directly compared.

Fever indicates that the body temperature is higher than normal. This symptom may be potentially caused by infection, overdressing or immunization. Some people may not experience fever even when they are ill. These include, but are not limited to, infants younger than 3 months old, persons with compromised immune systems, persons taking antibiotics, steroids or antipyretics (aspirin, ibuprofen, acetaminophen), or persons with certain chronic illnesses. ***Please consult your physician when you feel ill even if you do not have fever.***

Table 1^{*1}

Body Site	Normal Temperature Range
Oral	35.5°C - 37.5°C (95.9°F - 99.5°F)
Axillary (underarm)	34.7°C - 37.3°C (94.5°F - 99.1°F)
Rectal	36.6°C - 38.0°C (97.9°F - 100.4°F)
Ear	35.8°C - 38.0°C (96.4°F - 100.4°F)

*1. Chamberlain, J. M. Terndrup, T. E., New Light on Thermometer Readings, Contemporary Pediatrics, March 1994.

Using the Device

Replacing Lens Filter

Step 1

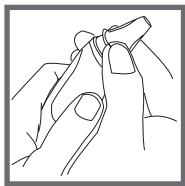
Check the lens filter is clean and new.



Step 2

Attach new lens filter into the probe.

Now, you can start to test your ear temperature.



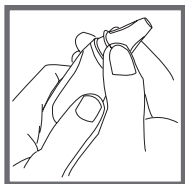
NOTE

- ▲ If a lens filter is not attached on the probe, LCD will show “~~X~~” until a new lens filter is firmly attached to the probe.
- ▲ The used lens filter should be removed after each measurement by a clean and new lens filter to ensure accuracy reading.
- ▲ For hygiene use, attach a new lens filter each time and do not touch its tip.

Taking Ear Temperature

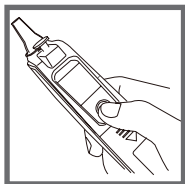
Step 1

Make sure lens filter is firmly attached to the probe.



Step 2

Press and release the On / Memory button to turn on the thermometer. When ready, the thermometer displays the last measurement.



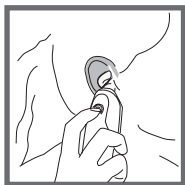
Step 3

Gently fit the probe into the ear canal.



Step 4

Press and release the Scan button.
Do not remove the thermometer until it beeps.



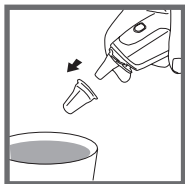
Step 5

Read the result.
“ f ” is shown together with a temperature value.



Step 6

Discard used lens filter into trash by pressing lens filter ejection button.



NOTE

Turn off the thermometer by pressing On / Memory button twice. It will automatically turn off if left idle for 3 minutes.

Hints on Taking Ear Temperature

1. As with other of thermometer, you may observe slight variations in consecutive measurements. ***It is recommended that you take 3 temperature readings and use the highest one for the following situations:***

- ▲ Infants younger than 3 months old.
- ▲ Children younger than 3 years old and who have a compromised immune system and the presence / absence of fever is critical.
- ▲ When you are learning to use the thermometer.

2. Do not take a reading while eating and /or talking. Wait 30 minutes after any of the following situations before taking a measurement:

- ▲ When you have your ear covered.
- ▲ After exercising, swimming, or taking a bath. When expose to extreme temperature.

3. To take accurate readings, the ear must be free from excess earwax build-up.

Recalling the Memory

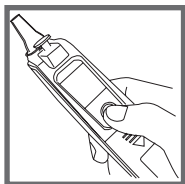
Your thermometer stores 10 recent readings in the memory.

Step 1

Be sure the thermometer is OFF before recalling this memory.

Step 2

Press the On / Memory button to turn on the thermometer.



Step 3

Press the On / Memory button for 3 seconds to enter memory mode.

Each time you press the On / Memory button, a result will be displayed in the order of dates (latest result shown first), together with “M” and number (from 1 to 10).

When the memory is full, the oldest result is deleted as the new one added. When the last record is displayed in the LCD, press On / Memory button again to return the first record.



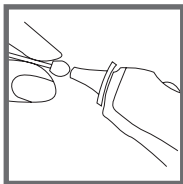
Step 4

Exit the memory.

Press the Scan button and LCD will show latest results with flashing “  ”. Then press On/Memory button again and LCD will show “ OFF ” to exit memory.

Care & Cleaning

- ▲ If you would like to clean the probe lens, wipe it gently with an 70% alcohol swab or soft cloth moistened with 70% alcohol. Do not attach a new lens filter within 30 minutes.



- ▲ The probe is not waterproof. Please wipe with a clean cloth which is dry or damped with 70% alcohol.
- ▲ The body of the thermometer is not water-resistant. Never put the thermometer under a running tap or submerge it into water. Use a soft and dry cloth to clean it. Do not use abrasive cleaners.
- ▲ Store the thermometer in a cool and dry location. Free from dust and away from direct sunlight.

Fever Indicator

When the measurement is equal or over 38.0°C, red backlight is shown together with the result. The red backlight will last for 3 sec and turn off.

Troubleshooting

The table below shows problems you may encounter. All error messages below would be shown together with orange backlight. Please follow “what to do” to resolve problems. If the problem still exists, please call your local dealer for help.

Message	What it means	What to do
	Room temperature is below 10°C.	Put the thermometer under operating temperature range of 10°C to 40°C.
	Room temperature is above 40°C.	Put the thermometer under operating temperature range of 10°C to 40°C.
 	You don't use lens filter while measuring ear temperature.	Please place probe cover into probe again.
   	Problem with the thermometer.	Review the instructions and re-start the measurement procedure. If the above steps do not work. Please contact the dealer.
 	Battery is low and “  ” appears on LCD.	Please replace batteries as soon as possible.
	Appears when the batteries can't provide enough power for a test.	Please replace new batteries.
 	Temperature measurement falls outside the displayed temperature range: (ear temperature range from 32°C to 43°C)	Please follow this manual to take a reading again.

Specifications

Model no.	RT-1261B
Dimensions	160.5mm(W) x 45.9mm(H) x 32.5mm(D)
Weight	98.33g (include 2 x1.5V AAA batteries)
Battery	2 x 1.5V AAA alkaline batteries
External output	UART (USB& RS232) /ZigBee /Bluetooth
Displayed temperature range	32°C to 43°C (89.6°F to 109.4°F)
Display resolution	0.1°C
Accuracy	Meet the accuracy requirement specified in ASTM E1965-98 ▲ $\pm 0.2^{\circ}\text{C}$ ($\pm 0.4^{\circ}\text{F}$) for the range of 36.0°C to 39.0°C (96.8°F to 102.2°F) ▲ $\pm 0.3^{\circ}\text{C}$ ($\pm 0.5^{\circ}\text{F}$) from 34.0°C to 35.9°C (93.2°F to 96.6°F) and from 39.1°C to 42.2°C (102.4°F to 108.0°F)
Temperature unit	°C
Operating temperature range	10°C to 40°C (50°F to 104°F)
Operating humidity	95% RH or less
Storage temperature range	-20°C to 60 °C (-4°F to 140°F)
Storage humidity	95% RH or less
Memory capacity	10 measurements

The specifications may be changed without prior notice.

Symbol Information

Symbol	Referent
	Consult instructions for use
	Keep away from sunlight
	Keep dry
	Temperature limitation
	Date of manufacture
	Manufacturer
SN	Serial number
	Caution, consult accompanying documents
	Authorized representative in the European Community
	CE mark
	Type BF equipment
	Do not use if package is damaged.

Warranty

- ▲ nu-beca warrants this product to be free of defects in workmanship and materials for a period on **ONE year** from the date of purchase.
- ▲ During the warranty period, if this product is found to be defective, you may bring it together with the purchase receipt and Warranty Certificate on a carry-in basis to nu-beca's office during normal business hours for warranty service. We will then repair or replace defective parts or exchange the whole product as we select, at no charge to the original owner. After such repair, replacement or exchange, the product will be warranted from the date of purchase.
- ▲ This warranty is valid only if the Warranty Certificate and Warranty Registration Card are duly complete with date of purchase, serial number and dealer's stamp, and if the Warranty Registration Card is sent to local distributor office not later than 14 days from the date of purchase.
- ▲ This warranty is void if this product has been repaired or serviced by unauthorized person. This warranty does not cover defects caused by misuse, abuse, accident, tampering, poor maintenance, fire or any other acts beyond human control.
- ▲ Except as stated in the above paragraphs, nu-beca disclaims all other warranties, implied or expressed, including the warranties of merchantability of fitness for a particular purpose with respect to the use of this product. nu-beca shall not be liable for any direct, consequential or incidental damages arising out of the use or inability to use product.